Fig.1

```
CGAGGGTGGGGTGGAGGTCGGACTCCGGGCTACAGAGCTCCTGGCGCTCATCGCCTCTGG      60
CTCCAGCCTTTGCTTCGCGGGGCTGACCCTTTGGGTCCCGGTGTGATCCTCCAGCTGCCC     120
CGGGGGCTGGGACAGCAGGGCGGCGGCGCGAGCGTGGGAGGGGGCTCTAGGACTCTGCCG     180
GCCCCGCCCCGCCCCCTCCGCGGGGACCCGGAGCCCAGCATGGACCACACTCGGCGCCGC     240
AGCC                                                              244
   ATGGCGCTCGCCCGCTGCGTGCTGGCTGTGATTTTAGGGGCACTGTCTGTAGTGGCC      301
   MetAlaLeuAlaArgCysValLeuAlaValIleLeuGlyAlaLeuSerValValAla       19

CGCGCTGATCCGGTCTCGCGCTCTCCCCTTCACCGCCCGCATCCGTCCCCACCGCGTTCC     361
ArgAlaAspProValSerArgSerProLeuHisArgProHisProSerProProArgSer      39

CAACACGCGCACTACCTTCCCAGCTCGCGGCGGCCACCCAGGACCCCGCGCTTCCCGCTC     421
GlnHisAlaHisTyrLeuProSerSerArgArgProProArgThrProArgPheProLeu      59

CCGCTGCGGATCCCCGCTGCCCAGCGCCCGCAGGTCCTCAGCACCGGGCACACGCCCCCG     481
ProLeuArgIleProAlaAlaGlnArgProGlnValLeuSerThrGlyHisThrProPro      79

ACGATTCCACGCCGCTGCGGGGCAGGAGAGTCGTGGGGCAATGCCACCAACCTCGGCGTC     541
ThrIleProArgArgCysGlyAlaGlyGluSerTrpGlyAsnAlaThrAsnLeuGlyVal      99

CCGTGTCTACACTGGGACGAGGTGCCGCCCTTCCTGGAGCGGTCGCCCCCGGCCAGTTGG     601
ProCysLeuHisTrpAspGluValProProPheLeuGluArgSerProProAlaSerTrp     119
```

Fig.2

```
GCTGAGCTGCGAGGGCAGCCGCACAACTTCTGCCGGAGCCCGGATGGCTCGGGCAGACCT    661
AlaGluLeuArgGlyGlnProHisAsnPheCysArgSerProAspGlySerGlyArgPro    139

TGGTGCTTCTATCGGAATGCCCAGGGCAAAGTAGACTGGGGCTACTGCGATTGTGGTCAA    721
TrpCysPheTyrArgAsnAlaGlnGlyLysValAspTrpGlyTyrCysAspCysGlyGln    159

GGCCCGGCGTTGCCCGTCATTCGCCTTGTTGGTGGGAACAGTGGGCATGAAGGTCGAGTG    781
GlyProAlaLeuProValIleArgLeuValGlyGlyAsnSerGlyHisGluGlyArgVal    179

GAGCTGTACCACGCTGGCCAGTGGGGGACCATCTGTGACGACCAATGGGACAATGCAGAC    841
GluLeuTyrHisAlaGlyGlnTrpGlyThrIleCysAspAspGlnTrpAspAsnAlaAsp    199

GCAGACGTCATCTGTAGGCAGCTGGGGCTCAGTGGCATTGCCAAAGCATGGCATCAGGCA    901
AlaAspValIleCysArgGlnLeuGlyLeuSerGlyIleAlaLysAlaTrpHisGlnAla    219

CATTTTGGGGAAGGATCTGGCCCAATATTGTTGGATGAAGTACGCTGCACCGGAAACGAG    961
HisPheGlyGluGlySerGlyProIleLeuLeuAspGluValArgCysThrGlyAsnGlu    239

CTGTCAATTGAGCAATGTCCAAAGAGTTCCTGGGGCGAACATAACTGTGGCCATAAAGAA   1021
LeuSerIleGluGlnCysProLysSerSerTrpGlyGluHisAsnCysGlyHisLysGlu    259
```

Fig.3

```
GATGCTGGAGTGTCTTGTGTTCCTCTAACAGATGGTGTCATCAGACTGGCAGGAGGAAAA   1081
AspAlaGlyValSerCysValProLeuThrAspGlyValIleArgLeuAlaGlyGlyLys    279

AGTACCCATGAAGGTCGCCTGGAGGTCTACTACAAGGGGCAGTGGGGGACAGTCTGTGAT  1141
SerThrHisGluGlyArgLeuGluValTyrTyrLysGlyGlnTrpGlyThrValCysAsp   299

GATGGCTGGACTGAGATGAACACATACGTGGCTTGTCGACTGCTGGGATTTAAATACGGC  1201
AspGlyTrpThrGluMetAsnThrTyrValAlaCysArgLeuLeuGlyPheLysTyrGly   319

AAACAGTCCTCTGTGAACCATTTTGATGGCAGCAACAGGCCCATATGGCTGGATGACGTC  1261
LysGlnSerSerValAsnHisPheAspGlySerAsnArgProIleTrpLeuAspAspVal   339

AGCTGCTCAGGAAAAGAAGTCAGCTTCATTCAGTGTTCCAGGAGACAGTGGGGAAGGCAT  1321
SerCysSerGlyLysGluValSerPheIleGlnCysSerArgArgGlnTrpGlyArgHis   359

GACTGCAGCCATAGAGAAGATGTGGGCCTCACCTGCTATCCTGACAGCGATGGACATAGG  1381
AspCysSerHisArgGluAspValGlyLeuThrCysTyrProAspSerAspGlyHisArg   379

CTTTCTCCAGGTTTTCCCATCAGACTAGTGGATGGAGAGAATAAGAAGGAAGGACGAGTG  1441
LeuSerProGlyPheProIleArgLeuValAspGlyGluAsnLysLysGluGlyArgVal   399
```

Fig.4

```
GAGGTTTTTGTCAATGGCCAATGGGGAACAATCTGCGATGACGGATGGACCGATAAGCAT   1501
GluValPheValAsnGlyGlnTrpGlyThrIleCysAspAspGlyTrpThrAspLysHis    419

GCAGCTGTGATCTGCCGGCAGCTTGGCTATAAGGGTCCTGCCAGAGCAAGGACTATGGCT   1561
AlaAlaValIleCysArgGlnLeuGlyTyrLysGlyProAlaArgAlaArgThrMetAla    439

TATTTTGGGGAAGGAAAAGGCCCCATCCACATGGATAATGTGAAGTGCACAGGAAATGAG   1621
TyrPheGlyGluGlyLysGlyProIleHisMetAspAsnValLysCysThrGlyAsnGlu    459

AAGGCCCTGGCTGACTGTGTCAAACAAGACATTGGAAGGCACAACTGCCGCCACAGTGAG   1681
LysAlaLeuAlaAspCysValLysGlnAspIleGlyArgHisAsnCysArgHisSerGlu    479

GATGCAGGAGTCATCTGTGACTATTTAGAGAAGAAAGCATCAAGTAGTGGTAATAAAGAG   1741
AspAlaGlyValIleCysAspTyrLeuGluLysLysAlaSerSerSerGlyAsnLysGlu    499

ATGCTCTCATCTGGATGTGGACTGAGGTTACTGCACCGTCGGCAGAAACGGATCATTGGT   1801
MetLeuSerSerGlyCysGlyLeuArgLeuLeuHisArgArgGlnLysArgIleIleGly    519

GGGAACAATTCTTTAAGGGGTGCCTGGCCTTGGCAGGCTTCCCTCAGGCTGAGGTCGGCC   1861
GlyAsnAsnSerLeuArgGlyAlaTrpProTrpGlnAlaSerLeuArgLeuArgSerAla    539
```

Fig.5

```
CATGGAGACGGCAGGCTGCTTTGTGGAGCTACCCTTCTGAGTAGCTGCTGGGTCCTGACA   1921
HisGlyAspGlyArgLeuLeuCysGlyAlaThrLeuLeuSerSerCysTrpValLeuThr    559

GCTGCACACTGCTTCAAAAGGTACGGAAACAACTCGAGGAGCTATGCAGTTCGAGTTGGG   1981
AlaAlaHisCysPheLysArgTyrGlyAsnAsnSerArgSerTyrAlaValArgValGly    579

GATTATCATACTCTGGTACCAGAGGAGTTTGAACAAGAAATAGGGGTTCAACAGATTGTG   2041
AspTyrHisThrLeuValProGluGluPheGluGlnGluIleGlyValGlnGlnIleVal    599

ATTCACAGGAACTACAGGCCAGACAGAAGCGACTATGACATTGCCCTGGTTAGATTGCAA   2101
IleHisArgAsnTyrArgProAspArgSerAspTyrAspIleAlaLeuValArgLeuGln    619

GGACCAGGGGAGCAATGTGCCAGACTAAGCACCCACGTTTTGCCAGCCTGTTTACCTCTA   2161
GlyProGlyGluGlnCysAlaArgLeuSerThrHisValLeuProAlaCysLeuProLeu    639

TGGAGAGAGAGGCCACAGAAAACAGCCTCCAACTGTCACATAACAGGATGGGGAGACACA   2221
TrpArgGluArgProGlnLysThrAlaSerAsnCysHisIleThrGlyTrpGlyAspThr    659

GGTCGTGCCTACTCAAGAACTCTACAACAAGCTGCTGTGCCTCTGTTACCCAAGAGGTTT   2281
GlyArgAlaTyrSerArgThrLeuGlnGlnAlaAlaValProLeuLeuProLysArgPhe    679
```

Fig.6

```
TGTAAAGAGAGGTACAAGGGACTATTTACTGGGAGAATGCTCTGTGCTGGGAACCTCCAA   2341
CysLysGluArgTyrLysGlyLeuPheThrGlyArgMetLeuCysAlaGlyAsnLeuGln    699

GAAGACAACCGTGTGGACAGCTGCCAGGGAGACAGTGGAGGACCACTCATGTGTGAAAAG   2401
GluAspAsnArgValAspSerCysGlnGlyAspSerGlyGlyProLeuMetCysGluLys    719

CCTGATGAGTCCTGGGTTGTGTATGGGGTGACTTCCTGGGGGTATGGATGTGGAGTCAAA   2461
ProAspGluSerTrpValValTyrGlyValThrSerTrpGlyTyrGlyCysGlyValLys    739

GACACTCCTGGAGTTTATACCAGAGTCCCCGCCTTTGTACCTTGGATAAAAAGTGTCACC   2521
AspThrProGlyValTyrThrArgValProAlaPheValProTrpIleLysSerValThr    759

AGTCTGTAACTTATGGAAAGCTCAAGAAAATAGTAAAACAGTAACCATTCAGTCTTCATA   2581
SerLeu***                                                       761

CTTGGCACCATGCCAGAAAAAAAAAAAAAAAAA                              2614
```

Fig.7

```
CCGACGACGCGTCCGCCGCCGCCTCTCCCGCGCTTCCCGCGCCCCCCGCGGGCGCTCCCT    60
ProThrThrArgProProProProLeuProArgPheProArgProProArgAlaLeuPro    20

GCCCAGCGCCCGCACGCCCTCCAGGCCGGGCACACGCCCCGGCCGCACCCCTGGGGCTGC   120
AlaGlnArgProHisAlaLeuGlnAlaGlyHisThrProArgProHisProTrpGlyCys    40

CCCGCCGGCGAGCCATGGGTCAGCGTGACGGACTTCGGCGCCCCGTGTCTGCGGTGGGCG   180
ProAlaGlyGluProTrpValSerValThrAspPheGlyAlaProCysLeuArgTrpAla    60

GAGGTGCCACCCTTCCTGGAGCGGTCGCCCCCAGCGAGCTGGGCTCAGCTGCGAGGACAG   240
GluValProProPheLeuGluArgSerProProAlaSerTrpAlaGlnLeuArgGlyGln    80

CGCCACAACTTTTGTCGGAGCCCCGACGGCGCGGGCAGACCCTGGTGTTTCTACGGAGAC   300
ArgHisAsnPheCysArgSerProAspGlyAlaGlyArgProTrpCysPheTyrGlyAsp   100

GCCCGTGGCAAGGTGGACTGGGGCTACTGCGACTGCAGACACGGATCAGTACGACTTCGT   360
AlaArgGlyLysValAspTrpGlyTyrCysAspCysArgHisGlySerValArgLeuArg   120

GGCGGCAAAAATGAGTTTGAAGGCACAGTGGAAGTATATGCAAGTGGAGTTTGGGGCACT   420
GlyGlyLysAsnGluPheGluGlyThrValGluValTyrAlaSerGlyValTrpGlyThr   140
```

Fig.8

```
GTCTGTAGCAGCCACTGGGATGATTCTGATGCATCAGTCATTTGTCACCAGCTGCAGCTG   480
ValCysSerSerHisTrpAspAspSerAspAlaSerValIleCysHisGlnLeuGlnLeu   160

GGAGGAAAAGGAATAGCAAAACAAACCCCGTTTTCTGGACTGGGCCTTATTCCCATTTAT   540
GlyGlyLysGlyIleAlaLysGlnThrProPheSerGlyLeuGlyLeuIleProIleTyr   180

TGGAGCAATGTCCGTTGCCGAGGAGATGAAGAAAATATACTGCTTTGTGAAAAAGACATC   600
TrpSerAsnValArgCysArgGlyAspGluGluAsnIleLeuLeuCysGluLysAspIle   200

TGGCAGGGTGGGGTGTGTCCTCAGAAGATGGCAGCTGCTGTCACGTGTAGCTTTTCCCAT   660
TrpGlnGlyGlyValCysProGlnLysMetAlaAlaAlaValThrCysSerPheSerHis   220

GGCCCAACGTTCCCCATCATTCGCCTTGCTGGAGGCAGCAGTGTGCATGAAGGCCGGGTG   720
GlyProThrPheProIleIleArgLeuAlaGlyGlySerSerValHisGluGlyArgVal   240

GAGCTCTACCATGCTGGCCAGTGGGGAACCGTTTGTGATGACCAATGGGATGATGCCGAT   780
GluLeuTyrHisAlaGlyGlnTrpGlyThrValCysAspAspGlnTrpAspAspAlaAsp   260

GCAGAAGTGATCTGCAGGCAGCTGGGCCTCAGTGGCATTGCCAAAGCATGGCATCAGGCA   840
AlaGluValIleCysArgGlnLeuGlyLeuSerGlyIleAlaLysAlaTrpHisGlnAla   280
```

Fig.9

```
TATTTTGGGGAAGGGTCTGGCCCAGTTATGTTGGATGAAGTACGCTGCACTGGGAATGAG    900
TyrPheGlyGluGlySerGlyProValMetLeuAspGluValArgCysThrGlyAsnGlu    300

CTTTCAATTGAGCAGTGTCCAAAGAGCTCCTGGGGAGAGCATAACTGTGGCCATAAAGAA    960
LeuSerIleGluGlnCysProLysSerSerTrpGlyGluHisAsnCysGlyHisLysGlu    320

GATGCTGGAGTGTCCTGTACCCCTCTAACAGATGGGGTCATCAGACTTGCAGGTGGGAAA   1020
AspAlaGlyValSerCysThrProLeuThrAspGlyValIleArgLeuAlaGlyGlyLys    340

GGCAGCCATGAGGGTCGCTTGGAGGTATATTACAGAGGCCAGTGGGGAACTGTCTGTGAT   1080
GlySerHisGluGlyArgLeuGluValTyrTyrArgGlyGlnTrpGlyThrValCysAsp    360

GATGGCTGGACTGAGCTGAATACATACGTGGTTTGTCGACAGTTGGGATTTAAATATGGT   1140
AspGlyTrpThrGluLeuAsnThrTyrValValCysArgGlnLeuGlyPheLysTyrGly    380

AAACAAGCATCTGCCAACCATTTTGAAGAAAGCACAGGGCCCATATGGTTGGATGACGTC   1200
LysGlnAlaSerAlaAsnHisPheGluGluSerThrGlyProIleTrpLeuAspAspVal    400

AGCTGCTCAGGAAAGGAAACCAGATTTCTTCAGTGTTCCAGGCGACAGTGGGGAAGGCAT   1260
SerCysSerGlyLysGluThrArgPheLeuGlnCysSerArgArgGlnTrpGlyArgHis    420
```

Fig.10

```
GACTGCAGCCACCGCGAAGATGTTAGCATTGCCTGCTACCCTGGCGGCGAGGGACACAGG   1320
AspCysSerHisArgGluAspValSerIleAlaCysTyrProGlyGlyGluGlyHisArg    440

CTCTCTCTGGGTTTTCCTGTCAGACTGATGGATGGAGAAAATAAGAAAGAAGGACGAGTG   1380
LeuSerLeuGlyPheProValArgLeuMetAspGlyGluAsnLysLysGluGlyArgVal    460

GAGGTTTTTATCAATGGCCAGTGGGGAACAATCTGTGATGATGGATGGACTGATAAGGAT   1440
GluValPheIleAsnGlyGlnTrpGlyThrIleCysAspAspGlyTrpThrAspLysAsp    480

GCAGCTGTGATCTGTCGTCAGCTTGGCTACAAGGGTCCTGCCAGAGCAAGAACCATGGCT   1500
AlaAlaValIleCysArgGlnLeuGlyTyrLysGlyProAlaArgAlaArgThrMetAla    500

TACTTTGGAGAAGGAAAAGGACCCATCCATGTGGATAATGTGAAGTGCACAGGAAATGAG   1560
TyrPheGlyGluGlyLysGlyProIleHisValAspAsnValLysCysThrGlyAsnGlu    520

AGGTCCTTGGCTGACTGTATCAAGCAAGATATTGGAAGACACAACTGCCGCCACAGTGAA   1620
ArgSerLeuAlaAspCysIleLysGlnAspIleGlyArgHisAsnCysArgHisSerGlu    540

GATGCAGGAGTTATTTGTGATTATTTTGGCAAGAAGGCCTCAGGTAACAGTAATAAAGAG   1680
AspAlaGlyValIleCysAspTyrPheGlyLysLysAlaSerGlyAsnSerAsnLysGlu    560
```

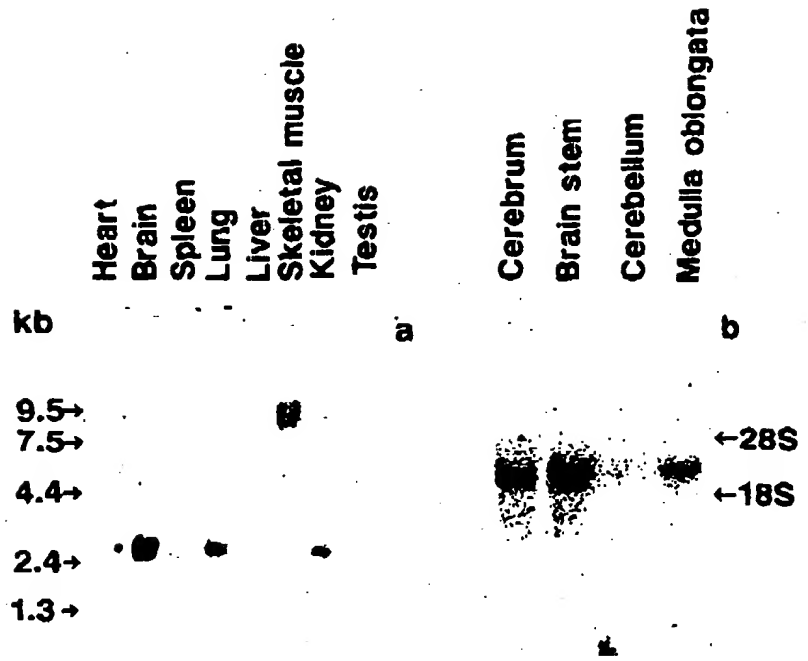
Fig.11

```
TCCCTCTCATCTGTTTGTGGCTTGAGATTACTGCACCGTCGGCAGAAGCGGATCATTGGT   1740
SerLeuSerSerValCysGlyLeuArgLeuLeuHisArgArgGlnLysArgIleIleGly    580

GGGAAAAATTCTTTAAGGGGTGGTTGGCCTTGGCAGGTTTCCCTCCGGCTGAAGTCATCC   1800
GlyLysAsnSerLeuArgGlyGlyTrpProTrpGlnValSerLeuArgLeuLysSerSer    600

CATGGAGATGGCAGGCTCCTCTGCGGGGCTACGCTCCTGAGTAGCTGCTGGGTCCTCACA   1860
HisGlyAspGlyArgLeuLeuCysGlyAlaThrLeuLeuSerSerCysTrpValLeuThr    620

GCAGCACACTGTTTCAAGAGGTATGGCAACAGCACTAGGAGCTATGCTGTTAGGGTTGGA   1920
AlaAlaHisCysPheLysArgTyrGlyAsnSerThrArgSerTyrAlaValArgValGly    640

GATTATCATACTCTGGTACCAGAGGAGTTTGAGGAAGAAATTGGAGTTCAACAGATTGTG   1980
AspTyrHisThrLeuValProGluGluPheGluGluGluIleGlyValGlnGlnIleVal    660

ATTCATCGGGAGTATCGACCCGACCGCAGTGATTATGACATAGCCCTGGTTAGATTACAA   2040
IleHisArgGluTyrArgProAspArgSerAspTyrAspIleAlaLeuValArgLeuGln    680

GGACCAGAAGAGCAATGTGCCAGATTCAGCAGCCATGTTTTGCCAGCCTGTTTACCACTC   2100
GlyProGluGluGlnCysAlaArgPheSerSerHisValLeuProAlaCysLeuProLeu    700
```

Fig.12

```
TGGAGAGAGAGGCCACAGAAAACAGCATCCAACTGTTACATAACAGGATGGGGTGACACA   2160
TrpArgGluArgProGlnLysThrAlaSerAsnCysTyrIleThrGlyTrpGlyAspThr    720

GGACGAGCCTATTCAAGAACACTACAACAAGCAGCCATTCCCTTACTTCCTAAAAGGTTT   2220
GlyArgAlaTyrSerArgThrLeuGlnGlnAlaAlaIleProLeuLeuProLysArgPhe    740

TGTGAAGAACGTTATAAGGGTCGGTTTACAGGGAGAATGCTTTGTGCTGGAAACCTCCAT   2280
CysGluGluArgTyrLysGlyArgPheThrGlyArgMetLeuCysAlaGlyAsnLeuHis    760

GAACACAAACGCGTGGACAGCTGCCAGGGAGACAGCGGAGGACCACTCATGTGTGAACGG   2340
GluHisLysArgValAspSerCysGlnGlyAspSerGlyGlyProLeuMetCysGluArg    780

CCCGGAGAGAGCTGGGTGGTGTATGGGGTGACCTCCTGGGGGTATGGCTGTGGAGTCAAG   2400
ProGlyGluSerTrpValValTyrGlyValThrSerTrpGlyTyrGlyCysGlyValLys    800

GATTCTCCTGGTGTTTATACCAAAGTCTCAGCCTTTGTACCTTGGATAAAAAGTGTCACC   2460
AspSerProGlyValTyrThrLysValSerAlaPheValProTrpIleLysSerValThr    820

AAACTGTAATTCTTCATGGAAACTTCAAAGCAGCATTTAAACAAATGGAAAACTTTGAAC   2520
LysLeu***                                                       822

CCCCACTATTAGCACTCAGCAGAGATGACAACAAACGGCAAG                      2562
```

Fig.13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Spleen
Lung
Liver
Skeletal muscle
Kidney
Testis
Cerebrum
Brain stem
Cerebellum
Medulla oblongata
kb
a
b
9.5→
7.5→
4.4→
2.4→
1.3→
←28S
←18S